VERSION DESCRIPTION DOCUMENT FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS)

Release 4.5

NASA-NEMS-VDD-13

PrISMS Contract

February 29, 2000

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

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NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS)
RELEASE 4.5

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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1. <u>INTRODUCTION</u>

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Equipment Management System (NEMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as NEMS, Release 4.5 and has an effective release date of February 29, 2000.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs): (**NOTE**: CCRs with an * are IFM CCRs and do not have to be tested for this release.)

<u>CCR</u>	<u>Title</u>
231	Change control threshold ** Pulled from release **
232	Identify Heritage Assets (NEMS Central also)
233	New report 410 format
234	Report for Capitalization Value vs Cost
235	* IFM – Change default on ref_seq_no
239	Transaction 13/I13 – Serial Number not retrieved
241	Update Condition Code edit
243	Remove transaction 54 (Calibration Update)
244	Add capitalization processing to transaction 63
245	D15 transaction from NPDMS (NPDMS CCR 381)
249	Remove delete transactions 82 and 83 from NEMS
250	* Add Contract Number and Appropriation Year to IFM pop-up
251	* Add Contract Number and Appropriation Year to adhocs
253	CAP-SENS-CODE 'X' for transactions 25 and 63

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
236	No data message for multiple sub-installations
242	Report Parameters for Restarts
248	Invalid code in dynamic adhoc batch report
256	Begin and End Julian report dates

1.3 SCOPE

This VDD provides the functional and technical user of NEMS with information regarding the contents, status, and structure of Release 4.5, including the following:

- Changes implemented since Release 4.4.

- Validation procedures to ensure the reliability of release changes.

- References to other documentation affected by this release.

- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NEMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NEMS)

Telephone:	(256) 544-6673
Email:	neal.cantrell@msfc.nasa.gov
FAX:	(256) 544-1836

2. FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT changes related to this release.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

This section is not applicable for this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

This section is not applicable with this release.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NEMS Software Release 4.5 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4. KNOWN AND OPEN PROBLEMS

The are no known or open problems related to this release.

APPENDIX A - ABBREVIATIONS AND ACRONYMS

CC   Consolidation Center

CCR   Change Control Request

CSC   Computer Sciences Corporation

DBA   Database Administrator

DR   Discrepancy Report

FAX   Electronic Facsimile Transmission

IRM   Information Resources Management

JCL   Job Control Language

MSFC   Marshall Space Flight Center

NACC   NASA Automated Data Processing (ADP) Consolidation Center

NASA   National Aeronautics and Space Administration

NEMS   NASA Equipment Management System

NPDMS   NASA Property Disposal Management System

SESAAS   Sustaining Engineering Support for Agencywide Administrative
          Systems

VDD   Version Description Document

APPENDIX B - GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a NASA software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

APPENDIX C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release. (**NOTE**: CCRs with an * are IFM CCRs and do not have to be tested for this release.)

Section	CCR	Title
1.0	231	Change control threshold ** Pulled from release **
2.0	232	Identify Heritage Assets (NEMS Central also)
3.0	233	New report 410 format
4.0	234	Report for Capitalization Value vs Cost
5.0	235	* IFM – Change default on ref_seq_no
6.0	236	No data message for multiple sub-installations
7.0	239	Transaction 13/I13 – Serial Number not retrieved
8.0	241	Update Condition Code edit
9.0	242	Report Parameters for Restarts
10.0	243	Remove transaction 54 (Calibration Update)
11.0	244	Add capitalization processing to transaction 63
12.0	245	D15 transaction from NPDMS (NPDMS CCR 381)
13.0	248	Invalid code in dynamic adhoc batch report
14.0	249	Remove delete transactions 82 and 83 from NEMS
15.0	250	* Add Contract Number and Appropriation Year to IFM pop-up
16.0	251	* Add Contract Number and Appropriation Year to adhocs
17.0	253	CAP-SENS-CODE 'X' for transactions 25 and 63
18.0	256	Begin and End Julian report dates

Details for the validation procedures follow:

1.0 CCR 231 Change control threshold ** Pulled from release **

Currently the threshold for controlling items is $1000. The requirement is to change the threshold to $2500.

2.0 CCR 232 Identify Heritage Assets (NEMS Central also)
Currently in NEMS there is not a way to identify Heritage Assets. There should be a Heritage Asset Indicator added to the system. A report of these assets should be produced.

Description of Change
Code was changed to identify Heritage Assets and display the Heritage Code where appropriate.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Perform the Daily Transaction file by ECN adhoc
  Expected Results: The Heritage Code will appear on page 3 of the NEMS Daily Transaction Record screen.
- Perform the Daily Transaction file by field adhoc
  Expected Results: The Heritage Code will appear for selection for display on page 3 of the NEMS DAILY TRANS FILE ADHOC BY FIELD screen.
- Perform the Equipment file by ECN adhoc
  Expected Results: The Heritage Code will appear on page 3 of the Equipment Record screen.
- Perform the Equipment file by field adhoc
  Expected Results: The Heritage Code will appear for selection for display on page 3 of the NEMS EQUIPMENT FILE ADHOC BY FIELD screen.
- Perform the History file by ECN adhoc
  Expected Results: The Heritage Code will appear on page 3 of the History Record screen.
- Perform the History file by field adhoc
  Expected Results: The Heritage Code will appear for selection for display on page 3 of the NEMS HISTORY FILE ADHOC BY FIELD screen.
- Perform the Monthly Transaction file by ECN adhoc
  Expected Results: The Heritage Code will appear on page 3 of the NEMS Monthly Transaction Record screen.
- Perform the Monthly Transaction file by field adhoc
  Expected Results: The Heritage Code will appear for selection for display on page 3 of the NEMS MONTHLY TRANS FILE ADHOC BY FIELD screen.
- Perform the Transfer file by ECN adhoc
  Expected Results: The Heritage Code will appear on the NEMS Transfer Record screen.
- Perform the Transfer file by field adhoc
  Expected Results: The Heritage Code will appear for selection for display on page 3 of the NEMS TRANSFER FILE ADHOC BY FIELD screen.
- Schedule and run the following maintenance jobs: (1) A02 – Periodic Purge of Historical file, (2) M02 – Monthly Transaction file to Tape and

Purge, and (3) Copy Cumm-Trans to Prior-Trans (only if you use the prior month file).
Expected Results: The Heritage Code will move with the rest of the data relating to the ECN to the appropriate file.

- Schedule and run the following reports: 010, 011, 012, 013, 143, 500, and 501
Expected Results: The reports will execute successfully and the Heritage Code field will display on the reports.

_____

MODULE ID	MODULE NAME	TYPE
ADH900P1	NEMS Daily Transaction file adhoc by ECN	Program
ADH910P2	Daily Transaction dynamic adhoc	Program
ADH910P3	Daily Transaction dynamic adhoc	Program
ADH910P4	Daily Transaction dynamic adhoc	Program
ADH920P1	Equipment file adhoc by ECN	Program
ADH930P2	Equipment file adhoc by field	Program
ADH930P3	Equipment file adhoc by field	Program
ADH930P4	Equipment file adhoc by field	Program
ADH940P1	NEMS History file adhoc ECN selection	Program
ADH950P2	History file adhoc by field	Program
ADH950P3	History file adhoc by field	Program
ADH950P4	History file adhoc by field	Program
ADH960P1	NEMS Monthly Transaction file adhoc by ECN	Program
ADH970P2	Monthly Transaction adhoc by field	Program
ADH970P3	Monthly Transaction adhoc by field	Program
ADH970P4	Monthly Transaction adhoc by field	Program
ADH980P1	NEMS Transfer file adhoc by ECN	Program
ADH981P2	Transfer File Dynamic Adhoc	Program
ADH981P3	Transfer File Dynamic Adhoc	Program
ADH981P4	Transfer File Dynamic Adhoc	Program
MSA002P1	Periodic Purge of Historical file	Program
MSD001P1	Copy NEMS-Daily-Trans to NEMS-Month-Trans file	Program
MSD006P1	Items Transferred to Historical File	Program
MSD008P1	Daily Transaction Extract Program	Program
MSD008P5	Month to Date Extract Program	Program
MSD008P8	Recompile of Transferred Data	Program
MSD008P9	Recompile for Transferred Data	Program
MSM002P1	Copy NEMS-MONTH-TRANS to NEMS-CUMM-TRANS and Purge	Program
MSX001P1	Copy NEMS-CUMM-TRANS to NEMS-PRIOR-MONTH	Program
RPT010P1	Daily Transaction Register (by Trans No.)	Program
RPT011P1	Daily Transaction Register (by Trans No Exploded)	Program
RPT012P1	Daily Transaction Register (by ECN)	Program
RPT013P1	Daily Transaction Register (by Entry Ref No)	Program

RPT143P1	Custodian Account Heritage Asset Report	Program
RPT500P1	ECN Detail Item Report	Program
RPT501P1	ECN Detail Item Report	Program
TRNADDP1	Add Transaction Processor	Program
TRNDELP1	Delete Transaction Processor	Program
TRN000P1	Equipment File (Transaction) Update Menu	Program
TRN004P1	Add Transaction 04 (Receipt by Transfer-From NASA Installation	Program
TRN013P1	Add Transaction 13 (Receipt from Excess)	Program
TRN015P1	Add Transaction 15 (Receipt from Return of Record from Historical File)	Program
TRN060P1	Change Transaction 60 (NASA Held Equipment Record Data Change)	Program
TRN060P2	Change Transaction 60 (NASA Held Equipment Record Data Change)	Program

Inventory

TRNIADP1	Add Transaction Processor	Program
TRNIDLP1	Delete Transaction Processor	Program
TRNI04P1	Add Transaction 04 (Receipt by Transfer-From NASA Installation)	Program
TRNI13P1	Add Transaction 13 (Receipt from Excess)	Program
TRNI15P1	Add Transaction 15 (Receipt from Return of Record from Historical File)	Program

PCM

PCM000L4		LDA
PCM000L8		LDA
TRNC60M2		Map
TRNC60P2	Change Transaction 60 (NASA Held Equipment Record Data Change)	Program
TRNUPDM2		Map
TRNUPDP6	Add Daily Transaction Record	Subpgm
TRNUPDP8	Update Equipment File Fields	Subpgm
TRNUPDS1	NEMSPCM Display Equipment and Pending File	Subpgm

3.0 CCR 233 New report 410 format
Currently report 410 lists Non-Capitalized Sensitive and Controlled items and cost. The 410 report does not list Heritage Assets, Total Sensitive Items, Sensitive Items < $2,500, and Sensitive Items < $500.

Description of Change
A change was made to change the 410 report to the new format.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Schedule and run the 411 (which automatically runs the 410 report) and 412 reports.
  Expected Results: The 410, 411, and 412 reports will run successfully. The 410 report will print with the new format. The new format is only one column for non capital items and new line for total additions, total deletions, total heritage, total sensitive items, sensitive items < $2500, and sensitive items < $500.

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MODULE ID	MODULE NAME	TYPE
RPT410P1	1324 – Controlled Equipment Report	Program
RPT411P2	1324 – Controlled Equipment Report (Summary)	Program
RPT412P1	1324 – Controlled Equipment Report (Detail)	Program

4.0 CCR 234 Report for Capitalization Value vs Cost
Currently in NEMS there is not a report to compare the Capitalization Value with the Cost on an item.

Description of Change
A new report was created. The report will list the COST and CAPITALIZATION AMOUNT by Custodian.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Schedule and run the 142 report.
  Expected Results: The 142 report will run successfully listing the COST and CAPITALIZATION AMOUNT by Custodians.
  _____

MODULE ID	MODULE NAME	TYPE
RPT142P1	Custodian Account Capitalization Value Amount/Cost	Program

5.0 CCR 235 IFM – Change default on ref_seq_no
In the NEMS – IFM IDA the default for the ref_seq_no field is defined to default
to '0000'. The default should be changed to blank.

Description of Change
Code was changed to default the ref_seq_no to blank.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Make sure the MSD011P1 maintenance job is scheduled to run and run it.
  Expected Results: The NEMS/IFM interface file should be created with
  the ref_seq_no field blank.

_____

MODULE ID	MODULE NAME	TYPE
MSD011P1	NEMS/IFM interface	Program

6.0 CCR 236 – No data message for multiple sub-installations
When there is more than one sub-installation running the RPT015P1 report if one has data and the other does not then the message that is printed for no record for the report does not get printed for the sub-installation that has no records.

Description of Change
Code was changed to print the no data message for multiple sub-installations

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Schedule the 015 report for 2 different sub-installations. One of the sub-installations should have 0 add transactions and the other sub-installation should have at least 1 add transaction. Run the 015 report.
  Expected Results: The 015 report should run successfully with the sub-installation with the add transaction(s) displaying data and the sub-installation with 0 add transactions displaying the message " NO ADD TRANSACTIONS PROCESSED FOR THIS DATE".

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MODULE ID	MODULE NAME	TYPE
RPT015P1	Daily Item Name Validation Report	Program

7.0 CCR 239 Transaction 13/I13 – Serial Number not retrieved
When doing a 13/I13 transaction, the serial number is not retrieved from history.

Description of Change
Code was changed to retrieve the serial number on a 13 transaction.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Execute a transaction 13 on an ECN that is on the history file.
  Expected Results: The serial number should be retrieved from the history file and displayed on the transaction 13 screen.

_____

MODULE ID	MODULE NAME	TYPE
TRN013P1	Add Transaction 13 (Receipt from Excess)	Program

8.0 CCR 241 Update Condition Code edit
In transactions 80 an edit is performed on the condition code to validate that it is greater than or equal to 7. With the conversion to the new condition codes there will not be any condition codes greater than 7.

Description of Change
Code was changed to make the condition code be equal 7.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Perform transaction 80 on an ECN that has a COST of $1000. Enter a Condition Code of 4.
Expected Results: An error message "ERROR 657 – CONDITION CODE MUST EQUAL 7" will be displayed.
- Change the Condition Code to 7.
Expected Results: The transaction will proceed without an error message.

NOTE: The validation procedure for transaction 82 will not work if transaction 82 has already been deleted with CCR 249.
- Perform transaction 82 on an ECN that has a COST of $1000. Enter a Condition Code of 4.
Expected Results: An error message "ERROR 657 – CONDITION CODE MUST EQUAL 7" will be displayed.
- Change the Condition Code to 7.
Expected Results: The transaction will proceed without an error message.

- Perform transaction I80 on an ECN that is an underage in NEMS Inventory and has a COST of $1000. Enter a Condition Code of 4.
Expected Results: An error message "ERROR 657 – CONDITION CODE MUST EQUAL 7" will be displayed.
- Change the Condition Code to 7.
Expected Results: The transaction will proceed without an error message.
_____

MODULE ID	MODULE NAME	TYPE
TRN080P1	Delete Transaction 80	Program
TRN082P1	Delete Transaction 82	Program
TRNI80P1	Delete Transaction I80	Program

9.0 CCR 242 Report Parameters for Restarts
Report 410 produces a file by subinstallation that is used by 412 to produce a detail report. Report parameters are used to check which file to write the data for the subinstallation to. The restart section is missing the move for the report parameters.

Description of Change
Code was changed to check report parameters on a report (410, 411, or 412) that has been restarted.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Restart a report 411 that has errored off because of an invalid subinstallation.
  Expected Results: Report should complete successfully.

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MODULE ID	MODULE NAME	TYPE
JCLGENP2	JCL Generator – Reports	Program

10.0 CCR 243 Remove transaction 54 (Calibration Update)
Transaction 54 (Calibration Update) is no longer required for use.

Description of Change
A program was created to remove transaction 54 from table 620 (Transaction Number Table).

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Run NEU620P1.
    Expected Results: Transaction 54 will no longer appear as a valid change transaction.

_____

MODULE ID	MODULE NAME	TYPE
NEU620P1	Modify Table 620	Program

11.0 CCR 244 Add capitalization processing to Transaction 63
Transaction 63 does not allow for processing of capital items

Description of Change
Code was changed to allow transaction 63 to process capitalized items

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Process a transaction 63 for an ECN that has a capitalized amount of $100,000. Change the Capitalized Value Replacement to 99999.
  Expected Results: Message "ERROR G02 – CAPITALIZATION AMT MUST BE GE 100000" is displayed.
- Process a transaction 63 for an ECN that has a capitalized amount of $100,000. Change the Capitalized Value Replacement to 100001.
  Expected Results: EQUIPMENT FILE UPDATE MENU screen is displayed with a message indicating the ECN has been changed.
- Process a transaction 63 for an ECN that has a capitalized amount of $0. Change the Capitalized Value Replacement to 99999.
  Expected Results: Message "ERROR G02 – CAPITALIZATION AMT MUST BE GE 100000" is displayed.
- Process a transaction 63 for an ECN that has a capitalized amount of 0. Change the Capitalized Value Replacement to 100001.
  Expected Results: EQUIPMENT FILE UPDATE MENU screen is displayed with a message indicating the ECN has been changed.

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MODULE ID	MODULE NAME	TYPE
TRN063P1	Change Transaction 63 (Reverse Add)	Program

12.0 CCR 245 D15 transaction from NPDMS (NPDMS CCR 381)
Currently NPDMS produces 2 types of NEMS X15 transactions. The NEMS X15 transaction is produced for an NPDMS E03 (delete) or RTnn (reversal) transactions. Only the X15 from the NPDMS delete brings the NEMS record back to the active NEMS file from the NEMS history file.

Description of Change
Code was changed to change the D15 transaction from NPDMS to an X15 transaction that is sent to NEMS Central. Code was also changed in the 410 report to check for a D15 instead of an X15.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Add a controlled case in NPDMS and then delete that case. Schedule the 411 (which will run the 410 report) and the 412 reports. Run the daily cycle in NEMS.
  Expected Results 1: The ECN for the case in NPDMS will show up on the NEMS Central Transfer file with an X15 instead of a D15.
  Expected Results 2: The D15 will show up in the OTHER column in report 410. The D15 transaction will show up as an OTHER transaction on the 411 and 412 reports.

_____

MODULE ID	MODULE NAME	TYPE
MSD008P1	Daily Transaction Extract Program	Program
NEU620P1	Modify Table 620	Program
RPT410P1	1324 – Controlled Equipment Report	Program

13.0 CCR 248 Invalid code in dynamic adhoc batch report

Report 955 not running when a sort and a break are specified.

Description of Change

Code was changed to enable the 955 report to run when a sort and break(s) are requested.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run a Daily Transaction Adhoc in batch (955 report) with 0 sorts and 0 breaks. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.
- Schedule and run a Monthly Transaction Adhoc in batch (955 report) with 1 sort and 1 break. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.
- Schedule and run a Daily Transaction Adhoc in batch (955 report) with 2 sorts and 2 breaks. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.
- Schedule and run a Monthly Transaction Adhoc in batch (955 report) with 3 sorts and 3 breaks. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.
- Schedule and run an Equipment Adhoc in batch (955 report) with 1 sort and 1 break. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.
- Schedule and run a History Adhoc in batch (955 report) with 2 sorts and 2 breaks. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.
- Schedule and run an Equipment Adhoc in batch (955 report) with 3 sorts and 3 breaks. Display fields including either the OCA or PCA field. Expected Results: Report should run successfully and requested data should be displayed.

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MODULE ID	MODULE NAME	TYPE
RPT955P3	Dynamic Adhoc Batch Report	Program
RPT955P4	Dynamic Adhoc Batch Report	Program
RPT955P5	Dynamic Adhoc Batch Report	Program

RPT955P6	Dynamic Adhoc Batch Report	Program
RPT955P7	Dynamic Adhoc Batch Report	Program
RPT955P8	Dynamic Adhoc Batch Report	Program
RPT955P9	Dynamic Adhoc Batch Report	Program

14.0 CCR 249 Remove delete transactions 82 and 83 from NEMS
Transaction 82 (Disposal of Contractor Held Equipment CC more than 7 by
contractor) and 83 (Disposal of contractor help equipment by NEMS
Reutilization Coordinator) are no longer being used.

A program was created to remove transactions 82 and 83 from table 620
(Transaction Number Table).

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Run NEU620P1.
  Expected Results: Transactions 82 and 83 will no longer appear as valid
  delete transactions.

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MODULE ID	MODULE NAME	TYPE
NEU620P1	Modify Table 620	Program

15.0 CCR 250 Add Contract Number and Appropriation Year to IFM pop-up
Currently in NEMS there are not fields for contract number and appropriation
year. These fields need to be added to the IFM Pop-up so they can be passed
on the NEMS/IFM interface file.

Description of Change
Code was changed to require the contract number and appropriation year to be
entered. The contract number and appropriation year will also be populated in
the IFM interface file.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Perform a NEMS transaction 01.
  Expected Results: A window will be displayed that requires the input of
  the contract number and appropriation year.
- Perform a NEMS Inventory transaction I04.
  Expected Results: A window will be displayed that requires the input of
  the contract number and appropriation year.
- Perform a PCM transaction 65.
  Expected Results: A window will be displayed that requires the input of
  the contract number and appropriation year.
- Make sure the MSD011P1 program will run in the NEMS nightly batch
  cycle.
  Expected Results: The NEMS/IFM interface file will be created with the
  CONTRACT and APPN-YR fields populated.

_____

MODULE ID	MODULE NAME	TYPE
NEMS		
MSD011P1	Create IFM Flat file	Program
NEIFM2MA		Map
NEIFM2NA	IFMP Window	Subpgm
Inventory		
NEIFM2MA		Map
NEIFM2NA	IFMP Window	Subpgm
PCM		
NEIFM2MA		Map
NEIFM2NA	IFMP Window	Subpgm
NEIFM2NB	IFMP Window	Subpgm

16.0 CCR 251 Add Contract Number and Appropriation Year to adhocs
The Contract No and Appropriation Year fields will be added in NEMS. These fields should be available for display from the dynamic and static adhoc programs (Daily Transaction, Equipment, History, and Monthly Transaction).

Description of Change
Code was changed to add Contract Number and Appropriation Year fields to the dynamic and static adhocs.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Perform the Daily Transaction file by ECN adhoc
  Expected Results: The Appropriation Year and Contract No will appear on page 3 of the NEMS Daily Transaction Record screen.
- Perform the Daily Transaction file by field adhoc
  Expected Results: The Appropriation Year and Contract No will appear for selection for display on page 3 of the NEMS DAILY TRANS FILE ADHOC BY FIELD screen.
- Perform the Equipment file by ECN adhoc
  Expected Results: The Appropriation Year and Contract No will appear on page 3 of the Equipment Record screen.
- Perform the Equipment file by field adhoc
  Expected Results: The Appropriation Year and Contract No will appear for selection for display on page 3 of the NEMS EQUIPMENT FILE ADHOC BY FIELD screen.
- Perform the History file by ECN adhoc
  Expected Results: The Appropriation Year and Contract No will appear on page 3 of the History Record screen.
- Perform the History file by field adhoc
  Expected Results: The Appropriation Year and Contract No will appear for selection for display on page 3 of the NEMS HISTORY FILE ADHOC BY FIELD screen.
- Perform the Monthly Transaction file by ECN adhoc
  Expected Results: The Appropriation Year and Contract No will appear on page 3 of the NEMS Monthly Transaction Record screen.
- Perform the Monthly Transaction file by field adhoc
  Expected Results: The Appropriation Year and Contract No will appear for selection for display on page 3 of the NEMS MONTHLY TRANS FILE ADHOC BY FIELD screen.

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MODULE ID	MODULE NAME	TYPE
ADH900P1	NEMS Daily Transaction file adhoc by ECN	Program
ADH910P4	Daily Transaction dynamic adhoc	Program

ADH920P1	Equipment file adhoc by ECN	Program
ADH930P4	Equipment file adhoc by field	Program
ADH940P1	NEMS History file adhoc ECN selection	Program
ADH950P4	History file adhoc by field	Program
ADH960P1	NEMS Monthly Transaction file adhoc by ECN	Program
ADH970P4	Monthly Transaction adhoc by field	Program
RPT500P1	ECN Detail Item Report	Program
RPT501P1	ECN Detail Item Report	Program

17.0 CCR 253 – CAP-SENS-CODE 'X' for transactions 25 and 63.
CAP-SENS-CODE 'X' is not being set if the COST is less than $1000. CAP-SENS-CODE is being set based on CAPITALIZATION-AMT and not checking COST.

Description of Change
Code was changed to set the CAP-SENS-CODE to 'X' if the COST is less than $1000.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Process a transaction 25 for an ECN that has a CAP-SENS-CODE of 'N' and a capitalization amount less than $100,000. Change the capitalization amount to greater than or equal to $100,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'P'.
- Process a transaction 25 for an ECN that has a CAP-SENS-CODE of 'Q' and a capitalization amount less than $100,000. Change the capitalization amount to greater than or equal to $100,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'M'.
- Process a transaction 25 for an ECN that has a CAP-SENS-CODE of 'X' and a capitalization amount less than $100,000. Change the capitalization amount to greater than or equal to $100,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'M'.
- Process a transaction 25 for an ECN that has a CAP-SENS-CODE of 'P' and a capitalization amount greater than or equal to $100,000. Change the capitalization amount to $0.
  Expected Results: CAP-SENS-CODE should be converted to a 'N'.
- Process a transaction 25 for an ECN that has a CAP-SENS-CODE of 'M' and a capitalization amount greater than or equal to $100,000. Change the capitalization amount to $0 and the COST to $90,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'Q'.
- Process a transaction 25 for an ECN that has a CAP-SENS-CODE of 'M' and a capitalization amount greater than or equal to $100,000. Change the capitalization amount to $0 and the COST to $300.
  Expected Results: CAP-SENS-CODE should be converted to an 'X'.
- Process a transaction 63 for an ECN that has a CAP-SENS-CODE of 'N' and a capitalization amount of $0. Change the capitalization amount to greater than or equal to $100,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'P'.
- Process a transaction 63 for an ECN that has a CAP-SENS-CODE of 'Q' and a capitalization amount of $0. Change the capitalization amount to greater than or equal to $100,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'M'.

- Process a transaction 63 for an ECN that has a CAP-SENS-CODE of 'X' and a capitalization amount of $0. Change the capitalization amount to greater than or equal to $100,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'M'.
- Process a transaction 63 for an ECN that has a CAP-SENS-CODE of 'P' and a capitalization amount greater than or equal to $100,000. Change the capitalization amount to $0.
  Expected Results: CAP-SENS-CODE should be converted to a 'N'.
- Process a transaction 63 for an ECN that has a CAP-SENS-CODE of 'M' and a capitalization amount greater than or equal to $100,000. Change the capitalization amount to $0 and the COST to $90,000.
  Expected Results: CAP-SENS-CODE should be converted to a 'Q'.
- Process a transaction 63 for an ECN that has a CAP-SENS-CODE of 'M' and a capitalization amount greater than or equal to $100,000. Change the capitalization amount to $0 and the COST to $300.
  Expected Results: CAP-SENS-CODE should be converted to an 'X'.

_____

MODULE ID	MODULE NAME	TYPE
CAPSENS1	Change Capitalization or Cost with CAP SENS change Subpgm	
TRN025P1	Change Transaction 25 (COST change)	Program
TRN063P1	Change Transaction 63 (Reverse Add)	Program

18.0 CCR 256 – Begin and End Julian report dates.
The begin julian date (#BEG-JULIAN) and end julian date (#END-JULIAN-DATE) are not having the century moved into the field (ex. 19 or 20). A 5 digit julian date field (without the century) is being moved into these fields.

Description of Change
Code was changed to use the 7 digit Julian date for the begin and end julian dates.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Schedule and run the 310 report (Equipment Loss Rate Report). Expected Results: Report should run correctly.

_____

MODULE ID	MODULE NAME	TYPE
PRM310P1	Equipment Loss Rate Report	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NEMS SOFTWARE RELEASE 4.5

Introduction

Release information:

System Name: NEMS
Release Number: 4.5
Release Date: February 29, 2000
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NEMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

The following datasets are located on the transient storage DASD volumes under the following data sets names:

xxMOV.NEMS.PROD.R450.R0200.DOC
xxMOV.NEMS.PROD.R450.R0200.PRD
xxMOV.NEMS.PROD.R450.R0200.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

```
AR – ARC
DF – DFRC
GS – GSFC
HQ – HQ
J5 – JSC
KS – KSC
LA – LaRC
LE – GRC (Glenn)
MS – MSFC
SS – SSC
```

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in section 9.0 to assist in tracking the installation of this release.

1.0 Back Up Existing Data
2.0 Copy Source/Object Code
3.0 Pre-Predict Data Conversion
4.0 Install Predict
5.0 Catalog Source Code
6.0 Post-Predict Data Conversion
7.0 Perform Release-Specific Procedures
8.0 Local JCL Mods
9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NEMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

A. Source code is installed in three separate libraries. Source code for programs modified in this release version were unloaded in the NATUNLD format, these programs all have specific destination libraries as shown below. All the NEMS programs have a destination of NEMS; NEMSINV programs have a destination of NEMSINV and NEMSPCM have a destination of NEMSPCM. (**NOTE: Module names in bold have been changed since the Beta release.)**

1. Load the NEMS source library from the dataset xxMOV.NEMS.PROD.R450.R0200.SRC.

   The source programs were unloaded using the Natural utility NATUNLD. The NEMS programs:

1.	ADH900P1	NEMS Daily Transaction file adhoc by ECN
2.	ADH910P2	Daily Transaction dynamic adhoc
3.	ADH910P3	Daily Transaction dynamic adhoc
4.	ADH910P4	Daily Transaction dynamic adhoc
5.	ADH920P1	Equipment file adhoc by ECN
6.	ADH930P2	Equipment file adhoc by field
7.	ADH930P3	Equipment file adhoc by field
8.	ADH930P4	Equipment file adhoc by field
9.	ADH940P1	NEMS History file adhoc ECN selection

10. ADH950P2   History file adhoc by field
11. ADH950P3   History file adhoc by field
12. ADH950P4   History file adhoc by field
13. ADH960P1   NEMS Monthly Transaction file adhoc by ECN
14. ADH970P2   Monthly Transaction adhoc by field
15. ADH970P3   Monthly Transaction adhoc by field
16. ADH970P4   Monthly Transaction adhoc by field
17. ADH980P1   NEMS Transfer file adhoc by ECN
18. ADH981P2   Transfer File Dynamic Adhoc
19. ADH981P3   Transfer File Dynamic Adhoc
20. ADH981P4   Transfer File Dynamic Adhoc
21. **CAPSENS1**   **Change Capitalization or Cost with CAP SENS change**
22. JCLGENP2   JCL Generator – Reports
23. MSA002P1   Periodic Purge of Historical File
24. MSD001P1   Copy NEMS-Daily-Trans to NEMS-Month-Trans file
25. MSD006P1   Items Transferred to Historical File
26. MSD008P1   Daily Transaction Extract Program
27. MSD008P5   Month to Date Extract Program
28. MSD008P8   Recompile of Transferred Data
29. MSD008P9   Recompile for Transferred Data
30. MSD011P1   NEMS/IFM interface
31. MSM002P1   Copy NEMS-MONTH-TRANS to NEMS-CUMM-TRANS and Purge
32. MSX001P1   Copy NEMS-CUMM-TRANS to NEMS-PRIOR-MONTH
33. NEIFM2MA
34. NEIFM2NA   IFMP Window
35. NEMS   NEMS Start Program
36. NEU620P1   Modify Table 620
37. PRM310P1   Equipment Loss Rate Report
38. RPT010P1   Daily Transaction Register (by Trans No.)
39. RPT011P1   Daily Transaction Register (by Trans No Exploded)
40. RPT012P1   Daily Transaction Register (by ECN)
41. RPT013P1   Daily Transaction Register (by Entry Ref No)
42. RPT015P1   Daily Item Name Validation Report
43. RPT142P1   Custodian Account Capitalization Value Amount/Cost
44. RPT143P1   Custodian Account Heritage Asset Report
45. RPT410P1   1324 – Controlled Equipment Report
46. RPT411P2   1324 – Controlled Equipment Report (Summary)
47. RPT412P1   1324 – Controlled Equipment Report (Detail)
48. RPT500P1   ECN Detail Item Report
49. RPT501P1   ECN Detail Item Report
50. RPT955P3   Dynamic Adhoc Batch Report
51. RPT955P4   Dynamic Adhoc Batch Report
52. RPT955P5   Dynamic Adhoc Batch Report
53. RPT955P6   Dynamic Adhoc Batch Report
54. RPT955P7   Dynamic Adhoc Batch Report

55. RPT955P8 Dynamic Adhoc Batch Report
56. RPT955P9 Dynamic Adhoc Batch Report
57. TRN000P1 Equipment File (Transaction) Update Menu
58. TRN004P1 Add Transaction 04 (Receipt by Transfer-From NASA Installation
59. TRN013P1 Add Transaction 13 (Receipt from Excess)
60. TRN015P1 Add Transaction 15 (Receipt from Return of Record from Historical File)
61. TRN025P1 Change Transaction 25 (COST change)
62. TRN060P1 Change Transaction 60 (NASA Held Equipment Record Data Change)
63. TRN060P2 Change Transaction 60 (NASA Held Equipment Record Data Change)
64. TRN063P1 Change Transaction 63 (Reverse Add)
65. TRN080P1 Delete Transaction 80 (Disposal of NASA Held Equipment by Custodian CC = 7)
66. TRN082P1 Delete Transaction 82 (Disposal Of Contractor Held Equipment (C.C. Equal 7) By Contr.)
67. TRNADDP1 Add Transaction Processor
68. TRNDELP1 Delete Transaction Processor
69. UPTBLS02 Update Error Table (S02) and (S06)

will be loaded to the application library NEMS, replacing any existing programs of the same name.

2. Load the NEMSINV source library from the dataset: xxMOV.NEMS.PROD.R450.R0200.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The NEMSINV programs:

1. INV Inventory Start up Program
2. NEIFM2MA
3. NEIFM2NA IFMP Window
4. TRNI04P1 Add Transaction I04 (Receipt by Transfer-From NASA Installation)
5. TRNI13P1 Add Transaction I13 (Receipt from Excess)
6. TRNI15P1 Add Transaction I15 (Receipt from Return of Record from Historical File)
7. TRNI80P1 Delete Transaction I80 (Disposal of NASA Held Equipment by Custodian CC = 7)
8. TRNIADP1 Add Transaction Processor
9. TRNIDLP1 Delete Transaction Processor

will be loaded to the application library NEMSINV, replacing any existing programs of the same name.

3. Load NEMSPCM source library from the dataset xxMOV.NEMS.PROD.R450.R0200.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The NEMSPCM Programs:

1. NEIFM2MA
2. NEIFM2NA   IFMP Window
3. NEIFM2NB   IFMP Window
4. PCMMAP
5. PCM000L4
6. PCM000L8
7. TRNC60M2
8. TRNC60P2   Change Transaction 60 (NASA Held Equipment Record Data Change)
9. TRNUPDM2
10. TRNUPDP6   Add Daily Transaction Record
11. TRNUPDP8   Update Equipment File Fields
12. TRNUPDS1   NEMSPCM Display Equipment and Pending File

will be loaded to the application library NEMSPCM, replacing any existing programs of the same name.

The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	2
MAPS	6
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	8
PROGRAMS	74
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	90

2.2 List of Source Code Modifications

The following are the modules added, and modified, and deleted. (**NOTE: Module names in bold have been changed since the Beta release.)**

Added Modules:

CAPSENS1	**Subpgm**
NEU620P1	Program
RPT142P1	Program
RPT143P1	Program

Modified Modules:

ADH900P1	Program
ADH910P2	Program
ADH910P3	Program
ADH910P4	Program
ADH920P1	Program
ADH930P2	Program
ADH930P3	Program
ADH930P4	Program
ADH940P1	Program
ADH950P2	Program
ADH950P3	Program
ADH950P4	Program
ADH960P1	Program
ADH970P2	Program
ADH970P3	Program
ADH970P4	Program
ADH980P1	Program
ADH981P2	Program
ADH981P3	Program
ADH981P4	Program
INV	Program
JCLGENP2	Program
MSA002P1	Program
MSD001P1	Program
MSD006P1	Program
MSD008P1	Program
MSD008P5	Program
MSD008P8	Program
MSD008P9	Program
MSD011P1	Program
MSM002P1	Program
MSX001P1	Program
NEIFM2MA	Map

NEIFM2MA	Map
NEIFM2MA	Map
NEIFM2NA	Subpgm
NEIFM2NA	Subpgm
NEIFM2NA	Subpgm
NEIFM2NB	Subpgm
NEMS	Program
PCM000L4	LDA
PCM000L8	LDA
PCMMAP	Map
PRM310P1	Program
RPT010P1	Program
RPT011P1	Program
RPT012P1	Program
RPT013P1	Program
RPT015P1	Program
RPT410P1	Program
RPT411P2	Program
RPT412P1	Program
RPT500P1	Program
RPT501P1	Program
RPT955P3	Program
RPT955P4	Program
RPT955P5	Program
RPT955P6	Program
RPT955P7	Program
RPT955P8	Program
RPT955P9	Program
TRN000P1	Program
TRN004P1	Program
TRN013P1	Program
TRN015P1	Program
TRN025P1	Program
TRN060P1	Program
TRN060P2	Program
TRN063P1	Program
TRN080P1	**Program**
TRN081P1	Program
TRN082P1	**Program**
TRNADDP1	Program
TRNC60M2	Map
TRNC60P2	Program
TRNDELP1	Program
TRNI04P1	Program
TRNI13P1	Program

TRNI15P1	Program
TRNI80P1	**Program**
TRNIADP1	Program
TRNIDLP1	Program
TRNUPDM2	Map
TRNUPDP6	Subpgm
TRNUPDP8	Subpgm
TRNUPDS1	Subpgm
UPTBLS02	Program

Deleted Modules:

None

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

4.1 Data Dictionary Changes

This release will include the new enhancements for version 4.5.0. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NEMS-4.5.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NEMS.PROD.R450.R0200.PRD.

The following NEMS DDMs should be generated after the PREDICT load is completed.

NEMS-DAILY-TRANS
NEMS-EQUIPMENT
NEMS-HISTORY
NEMS-IFM-PROP-INT-FILE
NEMS-MONTH-TRANS
NEMS-PCM-PENDING
NEMS-TRANSFER

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

PREDICT Objects by Type:

```
        Keyword                    -       1
        ADABAS Files and Views  -       7
        Data Elements              -       746
```

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following field:

```
NEMS-DAILY-TRANS                      File # 187
    Ty L Field ID                         F  Length   Occ   D U DB S
    *- - ------------------------------ *- -------- ----- * * -- *
       1 HERITAGE-CODE                     A     1.0          AN N
```

ADADBS NEWFIELD FILE=187
ADADBS FNDEF='01,AN,1,A,NU'

Add the following field:

```
NEMS-EQUIPMENT                        File # 188
    Ty L Field ID                         F  Length   Occ   D U DB S
    *- - ------------------------------ *- -------- ----- * * -- *
       1 HERITAGE-CODE                     A     1.0          AN N
```

ADADBS NEWFIELD FILE=188
ADADBS FNDEF='01,AN,1,A,NU'

Add the following field:

```
NEMS-HISTORY                          File # 190
    Ty L Field ID                         F  Length   Occ   D U DB S
    *- - ------------------------------ *- -------- ----- * * -- *
       1 HERITAGE-CODE                     A     1.0          AN N
```

ADADBS NEWFIELD FILE=190
ADADBS FNDEF='01,AN,1,A,NU'

Add the following fields:

```
NEMS-IFM-PROP-INT-FILE                File # 146
     Ty L Field ID                    F  Length   Occ   D U DB S
     *- - ------------------------------ *- -------- ----- * * -- *
        1 APPRPRTN-YR                   N     4.0            AM N
        1 CNTRCT-NMBR                   A    20.0            AN N
```

ADADBS NEWFIELD FILE=146
ADADBS FNDEF='01,AM,4,U,NU'
ADADBS FNDEF='01,AN,20,A,NU'

Add the following field:

```
NEMS-MONTH-TRANS                      File # 193
     Ty L Field ID                    F  Length   Occ   D U DB S
     *- - ------------------------------ *- -------- ----- * * -- *
        1 HERITAGE-CODE                 A     1.0            AN N
```

ADADBS NEWFIELD FILE=193
ADADBS FNDEF='01,AN,1,A,NU'

Add the following field:

```
NEMS-PCM-PENDING                      File # 197
     Ty L Field ID                    F  Length   Occ   D U DB S
     *- - ------------------------------ *- -------- ----- * * -- *
        1 HERITAGE-CODE                 A     1.0            BK N
```

ADADBS NEWFIELD FILE=197
ADADBS FNDEF='01,BK,1,A,NU'

Add the following field:

```
NEMS-TRANSFER                              File # 196
     Ty L Field ID                         F   Length   Occ   D U DB S
     *- - ------------------------------- *- -------- ----- * * -- *
        1 HERITAGE-CODE                    A     1.0               AX N

ADADBS NEWFIELD FILE=196
ADADBS FNDEF='01,AX,1,A,NU'
```

5.0 Catalog Source Code

The following modules should be changed before the CATALL is run. Modules NEMS, INV000P0, and MNUC00P1 need to be modified at each center to contain the correct contact name and phone number for each center. Replace the ?? in MSD008P1 and MSD008P5 with your installation number.

Run a batch job to catalog (CATALL) all modules in the NEMS library using the NASA Batch standard parameters replacing the existing PS and LS with the following values: PS=23 and LS=80. **It is not necessary** to catalog the Global Data Area (GDA).

You should receive 38 NATURAL 0303 errors for modules that begin with RPT* that concern page overflow and 32 programs will produce NATURAL 0002 errors. Program MSC005P1 will also not compile. There should be a total of 73 NATURAL errors.

A list of errors found above and dispositions of these results follows:
- To compile the NATURAL 0303 errors correctly, run another CATALL for the RPT* modules in the NEMS library using the NASA Batch standard parameters. You should receive 12 NATURAL 0002 errors. Ignore the 0002 errors because these objects are dynamic.

- The 32 NATURAL 0002 errors from the first CATALL are to be **IGNORED** because these objects are dynamic.

- MSX001P1 will only compile for centers that use the NEMS-PRIOR-MONTH file.

- **IGNORE** any errors for program MSC005P1.

Run a batch job to catalog (CATALL) all modules in the NEMSINV library using the NASA Batch standard parameters. It is not necessary to catalog the Global Data Area (GDA). There should be no errors received.

Run an online catalog (CATALL) on module TRNI34P1 to prevent problems with access to the second screen.

Run a batch job to catalog (CATALL) all modules in the NEMSPCM library using the NASA Batch standard parameters. It is not necessary to catalog the Global Data Area (GDA). There should be two NATURAL 0043 errors received. See 9.0 Installation Checklist for instructions on how to correct these errors.

After all objects are compiled, the NEMS application will run under the NASA On-line standard parameter.

6.0 Post-Predict Data Conversion

Not applicable with this release.

7.0 Perform Release-Specific Procedures

7.1 Update transaction table 620

Run the following program (NEU620P1) (online or batch) to delete transactions 54, 82, and 83 from table 620. This program will also add transaction D15.

7.2 Update error table S02

Run the following program (UPTBLS02) (online or batch) to update error messages in table S02.

7.3 Add reports 142 and 143

Reports 142 and 143 need to be added to table S05 (Report Number Table) as the following:

REPORT NUMBER: **142**
REPORT NAME: **CAPITALIZATION VALUE VS COST REPORT**
REPORT OPTIONS (Y/N): **N**

REPORT NUMBER: **143**
REPORT NAME: **HERITAGE ASSET REPORT**
REPORT OPTIONS (Y/N): **N**

8.0 Local JCL Mods

Other JCL changes may be necessary due to differences in each center's JCL. Changes are in **bold**:

Not applicable this release.

9.0 Installation Checklist

1.0   Back Up Existing Data
2.1   Copy Source Code
4.0   Install Predict
5.0   Catalog Source Code
       Update the Password to the NEMS-PCM-AUTH file in PCM programs:
       MNUC00P1, MNUC01P1; RPTSUBP1; TRNC00P1; TRNC26P1; TRNC52P1;
       TRNUPDP1. This step is optional if the Center chooses not to put a password on
       the NEMS-PCM-AUTH file.
   A. Find out from your DBA the ADABAS Security password assigned to the NEMS-
       PCM-AUTH file at your Installation.
   B. Logon to the NEMSPCM and use the Scan utility to search the NEMSPCM
       programs listed above for the word:
        PASSWORD = 'NEMSPCM' and replace it with:
        PASSWORD = 'Your site Password'. This scan and replace will change all
       references to the password, found in the newly released NEMS Release Version
       4.5.0 modules, with your Installation's password.
7.0   Perform Release-Specific Procedures
7.1   Update transaction table 620
7.2   Update error table S02
7.3   Add reports 142 and 143
8.0   Local JCL Mods